

### **Amendment to the Specification**

Please replace the second full paragraph on p. 45, beginning at line 21, with the following paragraph:

As described in Examples 2 and 3000000, the arraying behavior of the beads may be examined experimentally, e.g., by using fluorescently labeled beads and obtaining a laser fluorescence scan of the chip surface after allowing the beads to attach. Alternatively, an optical microscope can be used (e.g., with unlabeled beads) to observe their arraying behavior. Laser scanning may be preferable, however, because it readily allows quantification of signal to noise ratio.